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PATENT

4045-0109P

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: DOUGAN , Alfred et al. Conf.: 7800
Appl. No.: 09/599,220 Group: 1635
Filed: June 22, 2000 Examiner: MCGARRY, S
For: EXTENDING THE LIFETIME OF ANTICOAGULANT
OLIGODEOXYNUCLEOTIDE APTAMERS IN BLOOD

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AMENDMENT UNDER 37 C.F.R. §1.116

Assistant Commissioner for Patents
Washington, DC 20231

February 25, 2003

Sir:

In response to the Office Action mailed November 29, 2002, the following amendments and remarks are respectfully submitted in connection with the above-identified application.

In the Claims:

Please amend the claims as follows:

16. (Amended) A composition comprising:
a nucleic acid, that is derivatized at the 5' or 3' end or at both the 5' and 3' ends with a protein having a half-life in serum of greater than 1.0 hours, that binds to a blood clot or to a protein that is a component of a mammalian blood clotting cascade, wherein said nucleic acid is 2'-fluoropyrimidine RNA or 2'-aminopyrimidine RNA.